Simplicity

REG. U. S. PAT. OFF.

26" ROTARY SNOW PLOW ATTACHMENT

INSTRUCTIONS AND PARTS LIST

PACKING LIST

The rotary snow plow is shipped complete in a carton.

INSTRUCTIONS FOR ASSEMBLING

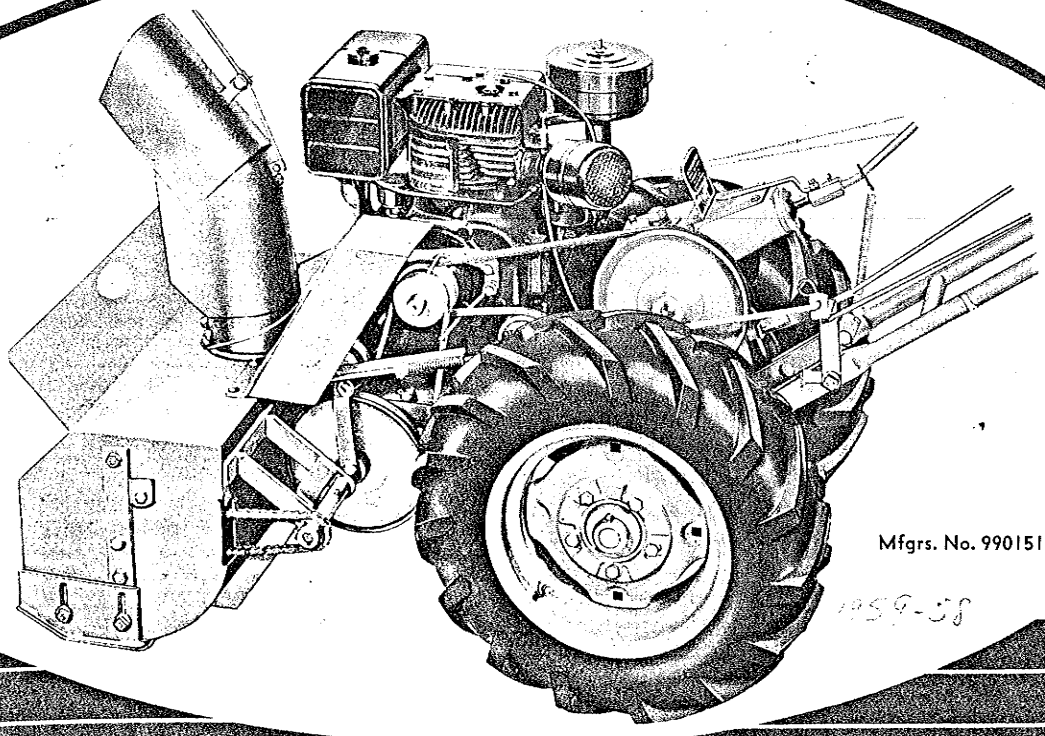
1. Attach rotary snow plow to tractor as shown in Fig. 1. Refer to Quick-Hitch instructions in tractor manual. *NOTE:* Before attaching snow plow install woodruff key in slot in snow plow drive shaft and place the drive sheave on the drive shaft with hub of sheave to outside as shown in Fig. 2. The snow plow drive sheave is part No. GSA21 with a 5/8" bore. Be sure that the allen set screw is tightened securely.

2. Mount spout (1, Fig. 1) to body as shown. Turn spout so that it faces directly forward, making sure rim on spout slides underneath hold down bracket (2, Fig. 1). Tighten bracket.

3. The cord rod assembly (3, Fig. 1) mounts into tube on body assembly as shown, using one washer and two cotter pins furnished.

4. Mount cord strap (4, Fig. 1) to tractor handle as shown.

5. Thread spout cord (5, Fig. 1) around cord strap (4) and through cord rod assembly (3) as shown, keeping two balls (6) together, winding cord around screw, and clamping cord end (A) to spout at (7, Fig. 1) making sure loop end extends approximately 3" from clamp as shown in Fig. 1. Thread cord end (B) through loop in cord end (A), draw up tight to prevent slack in spout cord and knot securely. (Be sure spout faces directly forward when mounting cord).



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Simplicity Manufacturing Company • PORT WASHINGTON, WISCONSIN

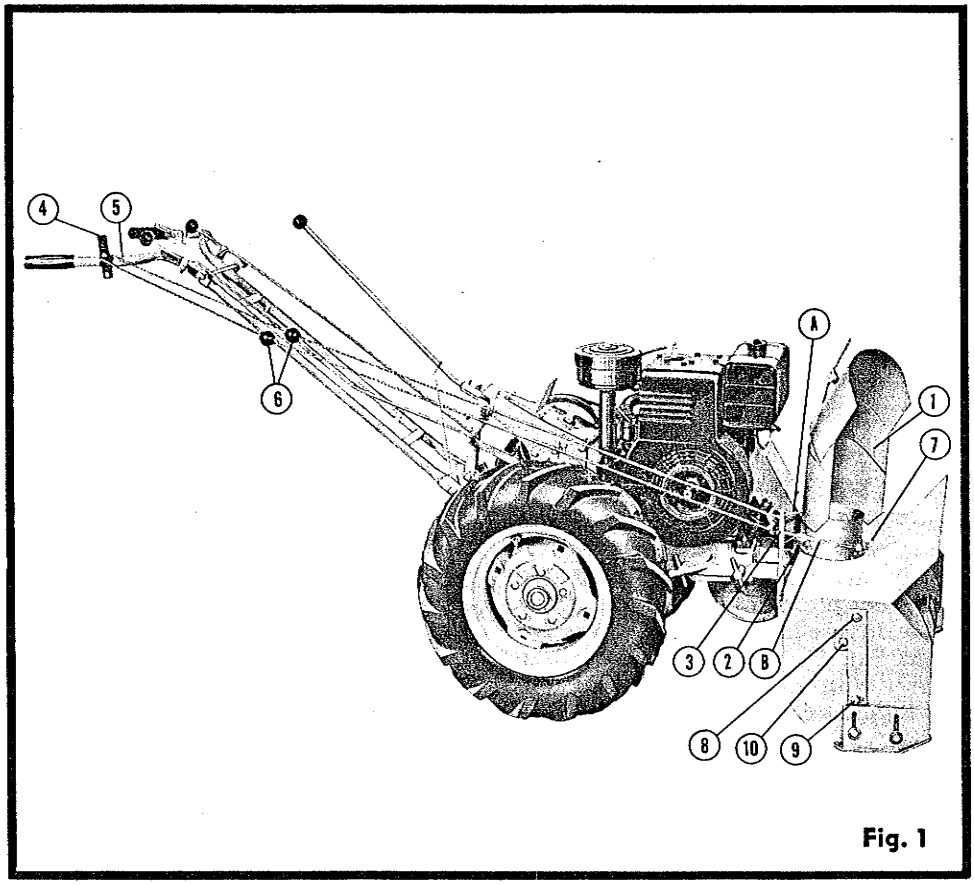


Fig. 1

BELT AND PULLEY ARRANGEMENT

1. Remove transmission pulley from tractor and replace with S1A86 pulley (¾" bore) (1, Fig. 2) supplied with rotary snow plow.

2. Place 47" belt (2, Fig. 2) on inside groove of engine pulley and on transmission pulley as shown. Be sure transmission pulley lines up with inside groove of engine pulley.

3. Place 43" belt (3, Fig. 2) on middle groove of engine pulley and on drive sheave of snow plow as shown. Belt should run under idler pulley as shown. Check to see that drive sheave and idler pulley line up with middle groove of engine pulley.

4. Place idler clutch rod guide assembly (4, Fig. 2) on idler clutch rod (5, Fig. 2). Use spring (6, Fig. 2) and set collar (7, Fig. 2) and assemble to rod as shown.

5. Mount idler clutch rod assembly to lower clutch lever (8, Fig. 2) and idler lever assembly (9, Fig. 2) as shown.

6. Adjust belt tension on spring (6) with set collar. To avoid damaging belt use minimum tension required to drive the rotor.

7. A special transmission idler stop, supplied with the rotary snow plow, is to be attached to the tractor idler pulley (10, Fig. 2). Bolt stop to the engine side of the idler lever so that stop rests on engine base when tractor clutch is disengaged.

8. Slide belt guard assembly (11, Fig. 2) into position as shown with slotted lip of guard assembly under belt guard clamp. Tighten bolts.

OPERATION

For the convenience of the operator the directional spout is controlled from the tractor handles. To change the direction of snow throwing pull back on either of the balls on the spout cord.

The angle for throwing the snow can be adjusted by changing the pitch of the spout extension assembly (A, Fig. 2).

To change angle loosen wing nut on spout extension adjusting rod, set extension to desired angle, and retighten nut.

Rotary snow plow shoes (B, Fig. 2) are located at either side of plow body. To adjust for height or compensate for uneven surfaces loosen bolts, set to desired height, and retighten bolts.

Should the rotary snow plow become overloaded and engine speed decrease stop the forward motion of the tractor until the rotor clears itself.

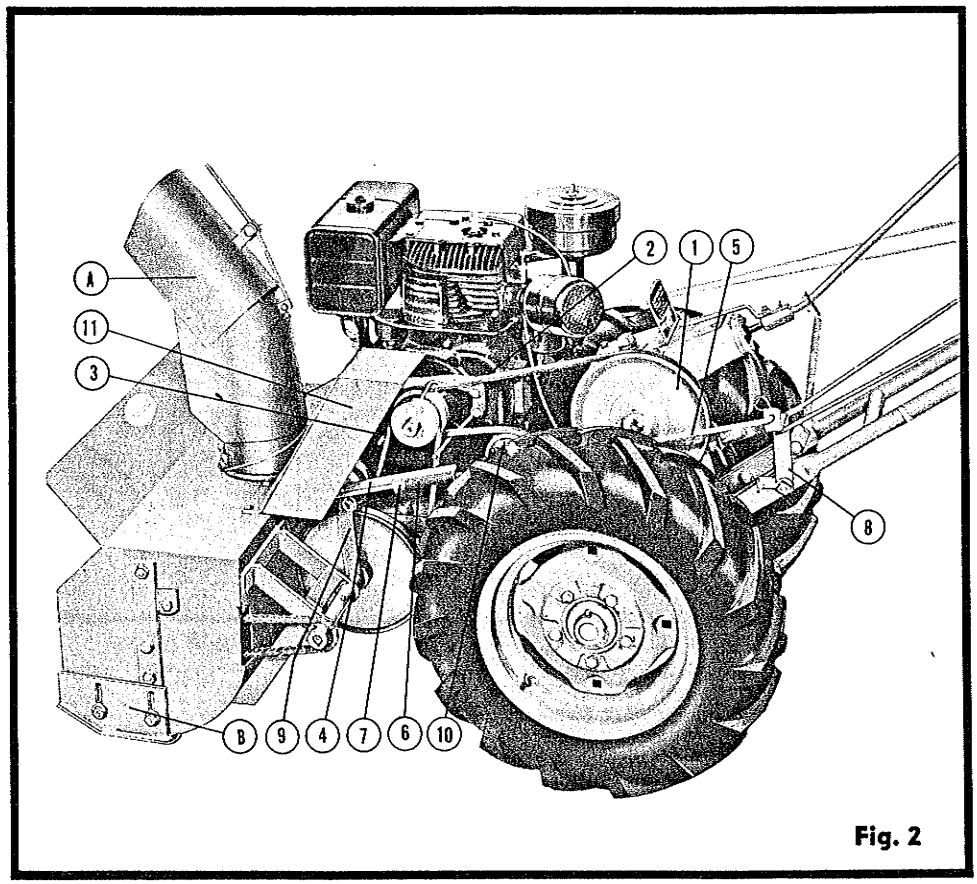


Fig. 2

LUBRICATION

Lubricate the two grease fittings on plow each time plow is used. Occasionally grease the rim of the snow plow spout so that it turns freely.

ROTOR CHAIN ADJUSTMENT

To tighten rotor chain, loosen nuts (8-9, Fig. 1) on both sides of body sufficiently to make adjustment. Loosen hex nut on chain tightener at (10, Fig. 1) on both sides of body. Move chain tighteners in direction to tighten chain. First, adjust chain tightener at chain side, then tighten hex nut on chain tightener at chain side. Then adjust chain tightener on other side of snow plow body, making sure rotor is parallel to back of snow plow body and chain is straight on both sprockets. Tighten hex nut on chain tightener. Follow by tightening nuts at (9) and (8) securely. Do not apply excessive tension on chain.

SPECIAL BELT STOP ADJUSTMENT

Before starting rotary snow plow be sure that all belt stops are within 1/8" of the belts. There are three belt stops around the tractor engine pulley. This adjustment is important for proper idling.

How to Order Repair Parts for Simplicity Garden Tractors and Attachments

The Authorized Simplicity dealer from whom you purchased your tractor and attachments can supply you with any replacement parts you may need. For prompt service, be sure to see your dealer first. He will furnish the correct parts from his stock or order them for you if necessary. However, you may mail-order directly from the factory.

To have your order filled correctly and for prompt service, please furnish the following information:

1. Model, number and year of purchase of rotary snow plow.

2. Part number, description, and quantity of part. (See parts list).

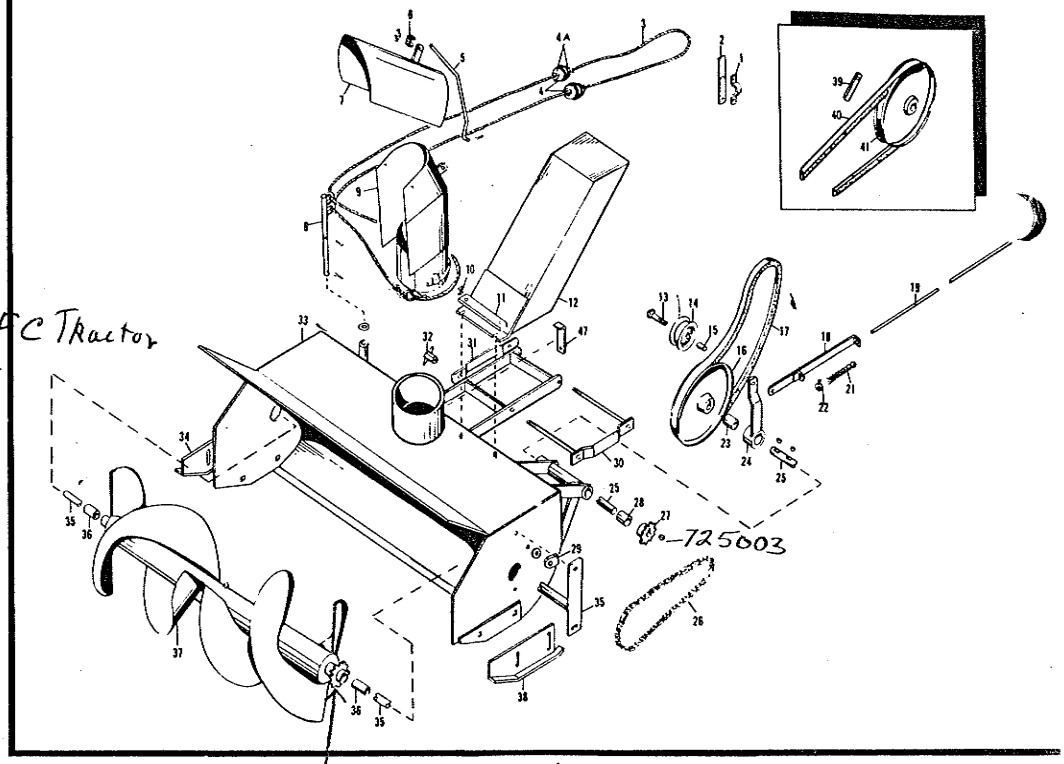
Be sure to include postage with your order. We do not pay transportation charges. Shipping weights are shown. Any excess will be promptly refunded.

We reserve the right to change construction, specifications, prices and terms, without notice and without obligation as to tractors and attachments heretofore shipped.

PRICES SHOWN ARE U.S.A. PRICES. PRICES OUTSIDE OF U.S.A. SUBJECT TO LOCAL IMPORT DUTIES, TAXES, ETC.

To Convert to Use by FC Tractor
Use 990139 Belt & Pulley Kit
1- 8111013 Pulley 6.4" OD
1- 713503 Set Screw.
1- 118068 Belt 34".

26" ROTARY SNO-PLOW



8081013-Sprocket only

Order by Part Number

Item No.	PART NO.	DESCRIPTION	SHIP. WT. Lbs.	SHIP. WT. Ozs.
1	GS-A36 8081036	Strap, Handle		3
2	106024	Strap, Cord		6
3	106025	Cord, Spout		8
4	F-A44 805104 4	Ball		10
4A	106027	Washer		2
5	106020	Rod, Spout Ext. Adj.		10
6	S1-A182 816182	Clamp, Spout Rod		3
7	GS-BX6 808 2506	Extension, Spout Assy.	3	3
8	106021	Rod Assembly, Cord	1	4
9	106002	Spout Assembly	7	10
10	S7-A71 825 1071	Clamp, Spout Cord		1
11	GS-A45 808 1045	Clamp, Belt Guard		4
12	GS-CX5 808 3505	Guard, Belt Assy.	4	12
13	GS-A43 - 808 1043	Bolt, Idler Pulley		4
14	SS-A3A - 826 1003	Pulley, Idler w/ Brg.		12
15	S1L-A73 - 81 71073	Race, Inner Bearing		4
16	GS-A21 - 808 1021	Sheave, Drive	2	8
17	108099	V-Belt — 44"	1	8
18	GS-AX3 - 808 1503	Guide, Idler Clutch Rod Assy.		14
19	GS-A32 - 808 1032	Rod, Idler Clutch		13
20	S1-A45A - 816 1045	Clip, Spring		2
21	S2-A45 - 819 1045	Spring		3
22	S2-A22A - 819 1022	Collar, Set		3
23	SS-A52 - 826 1052	Bearing, Bearing Housing		3
24	106015	Lever, Idler Assy.	1	8
25	106029	Shaft, Drive	1	8
26	GS-A24 - 808 1024	Chain, Rotor		14
27	P-A2A - 811 1002	Sprocket	2	
28	SS-A52 - 826 1052	Bearing, Bearing Housing		3
29	106006	Tightener, Chain		6
30	S1-BX1 - 816 2601	Clamp, Hitch Assy.	1	
31	103001	Plate, Hitch Side		12
32	S1-A41A - 816 1041	Nut		8
33	106008	Body and Push Arm Assy.	68	
34	106013	Shoe Assy. R.H.	4	
35	GS-AX1 - 808 1501	Shaft, Rotor Assy.	5	
36	S2-A44B - 819 1044	Bearing, Rotor		4
37	GS-CX4 - 808 3504	Rotor Assembly	35	
38	106012	Shoe Assembly, L.H.	4	
39	GS-A52 - 808 1052	Stop, Transmission Idler Lever		3
40	GS-A53 - 808 1053	47" V-Belt	1	8
41	S1-A86 - 816 1086	Sheave	4	
47	106010	Hold Down, Spout Sleeve		4

Auger Speed
Approx 800 R.P.M.

→ GS-A21(W) Pulley
106015(W) Idler Arm

Stower Ground Speed.
8161086 Trans. Pulley
8081053 Belt (47")

Simplicity

REG. U. S. PAT. OFF.

26" ROTARY SNOW PLOW ATTACHMENT

INSTRUCTIONS AND PARTS LIST

PACKING LIST

The rotary snow plow is shipped complete in a carton.

INSTRUCTIONS FOR ASSEMBLING

1. Attach rotary snow plow to either 2½, 3, or 5HP tractors as shown in Fig. 1. Refer to Quick-Hitch instructions in tractor manual. *NOTE*: Before attaching snow plow to any of the three tractor models install woodruff key in slot in snow plow drive shaft and place the drive sheave on the drive shaft with hub of sheave to outside as shown in Fig. 2. When the snow plow is used with the 5 HP tractor the snow plow drive sheave is part No. GSA21 with a ⅝" bore. Be sure that the allen set screw is tightened securely.

2. Mount spout (1, Fig. 1) to body as shown. Turn spout so that it faces directly forward, making sure rim on spout slides underneath hold down bracket (2, Fig. 1). Tighten bracket.

3. The cord rod assembly (3, Fig. 1) mounts into tube on body assembly as shown, using one washer and two cotter pins furnished.

4. Mount cord strap (4, Fig. 1) to tractor handle as shown.

5. Thread spout cord (5, Fig. 1) around cord strap (4) and through cord rod assembly (3) as shown, keeping two balls (6) together, winding cord around screw, and clamping cord end (A) to spout at (7, Fig. 1) making sure loop end extends approximately 3" from clamp as shown in Fig. 1. Thread cord end (B) through loop in cord end (A), draw up tight to prevent slack in spout cord and knot securely. (Be sure spout faces directly forward when mounting cord).

BELT AND PULLEY ARRANGEMENT 5HP TRACTOR

1. Remove transmission pulley from tractor and replace with S1A86 pulley (¾" bore) (1, Fig. 2) supplied with rotary snow plow.

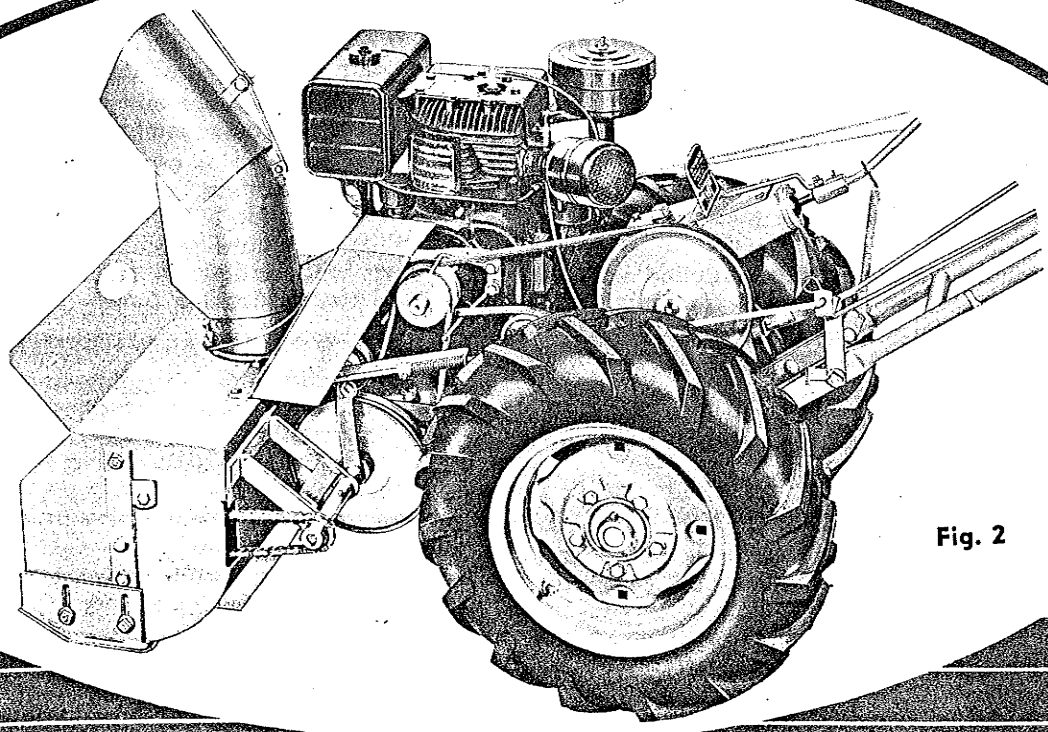


Fig. 2

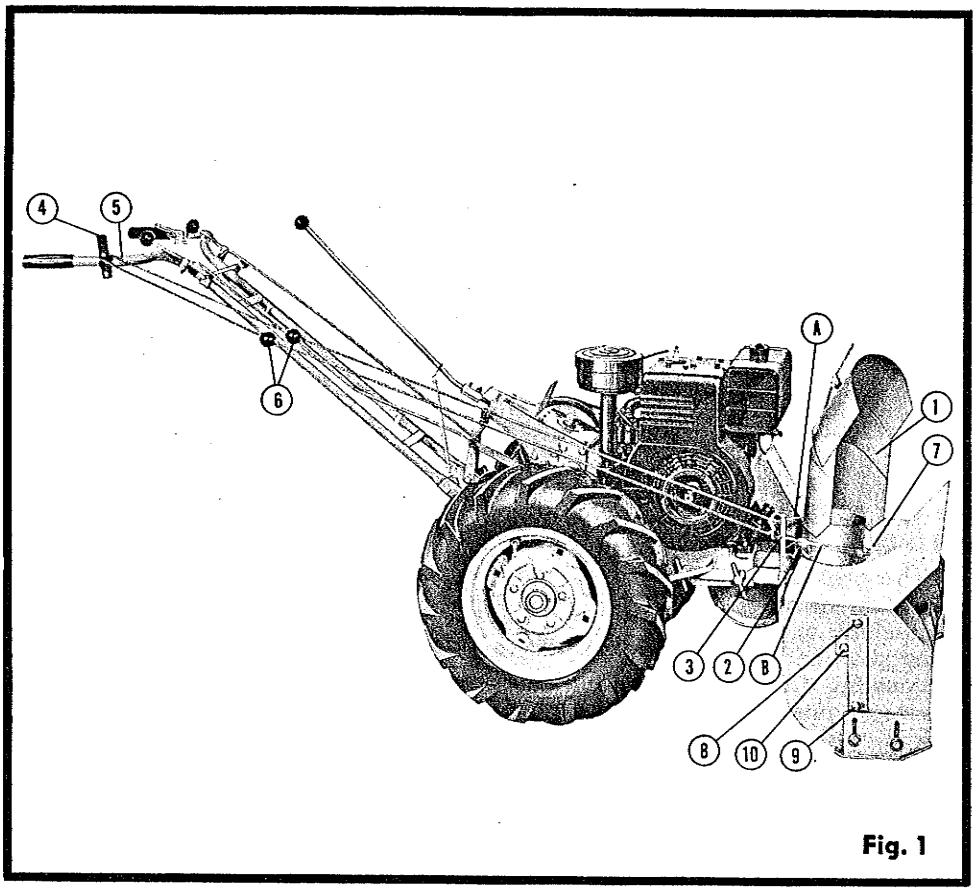
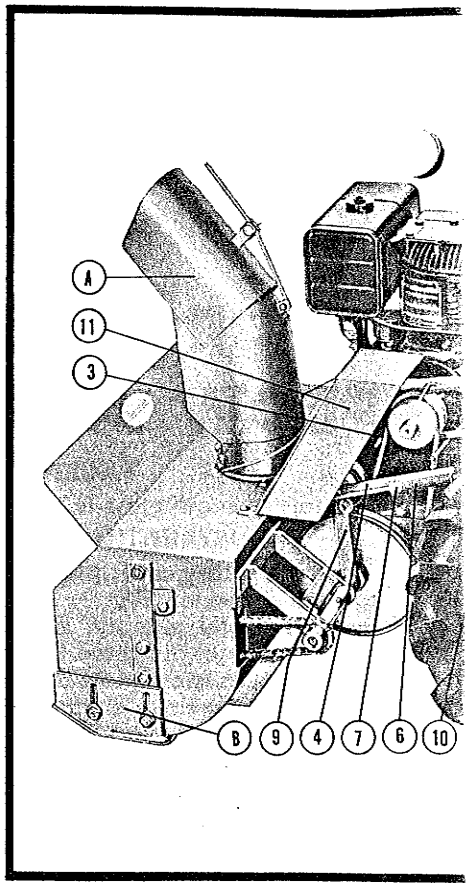


Fig. 1



2. Place 47" belt (2, Fig. 2) on inside groove of engine pulley and on transmission pulley as shown. Be sure transmission pulley lines up with inside groove of engine pulley.

3. Place 43" belt (3, Fig. 2) on middle groove of engine pulley and on drive sheave of snow plow as shown. Belt should run under idler pulley as shown. Check to see that drive sheave and idler pulley line up with middle groove of engine pulley.

4. Place idler clutch rod guide assembly (4, Fig. 2) on idler clutch rod (5, Fig. 2). Use spring (6, Fig. 2) and set collar (7, Fig. 2) and assemble to rod as shown.

5. Mount idler clutch rod assembly to lower clutch lever (8, Fig. 2) and idler lever assembly (9, Fig. 2) as shown.

6. Adjust belt tension on spring (6) with set collar. To avoid damaging belt use minimum tension required to drive the rotor.

7. A special transmission idler stop, supplied with the rotary snow plow, is to be attached to the tractor idler pulley (10, Fig. 2). Bolt stop to the engine side of the idler lever so that stop rests on engine base when tractor clutch is disengaged.

8. Slide belt guard assembly (11, Fig. 2) into position as shown with slotted lip of guard assembly under belt guard clamp. Tighten bolts.

BELT AND PULLEY ARRANGEMENT 3HP TRACTOR

1. Before attaching snow plow to tractor install woodruff key in slot in rotary snow plow drive shaft and place drive sheave on drive shaft with hub of sheave to outside as shown in Fig. 3. Tighten allen set screw. Place second woodruff key in slot of snow plow drive shaft and install smaller snow plow pulley on shaft with hub of pulley on inside (near engine) and tighten set screw.

2. For assembling snow plow refer to general Instructions for Assembling.

3. Locate shift lever assembly (1, Fig. 3) on tractor in first notch in throw-out assembly. Place 52" belt (2, Fig. 3) on small pulley on snow plow drive shaft and large groove of transmission pulley as shown in Fig. 3. Be sure pulleys are in alignment.

4. Place 43" belt (3, Fig. 3) on large pulley on snow plow drive shaft and middle groove of engine pulley as shown. Belt should run under idler pulley as shown.

5. Place idler clutch rod guide assembly (4, Fig. 3) on idler clutch rod (5, Fig. 3). Use spring (6, Fig. 3) and set collar (7, Fig. 3) and assemble to rod as shown.

6. Mount idler rod assembly to lower clutch lever (8, Fig. 3) and idler lever assembly (9, Fig. 3) as shown.

7. Adjust belt tension on spring (6, Fig. 3) with set collar. To avoid damaging belt use minimum tension required to drive the rotor.

8. Slide belt guard assembly (10, Fig. 3) into position as shown with slotted lip of guard assembly under belt guard clamp. Tighten bolts.

BELT AND PULLEY ARRANGEMENT 2½HP TRACTOR

1. Before attaching snow plow to tractor install woodruff key in slot in snow plow drive shaft and place drive sheave (smaller of two pulleys supplied) on drive shaft with hub of sheave to outside as shown in Fig. 2. Tighten allen set screw.

2. For assembling snow plow refer to general Instructions for Assembling.

3. Remove engine pulley, turn around, and replace with small groove to the inside.

4. Remove transmission pulley from tractor and replace with larger of two pulleys supplied with snow plow. Check to see that pulleys are in alignment.

5. Place 46" belt over inside groove of engine pulley and on transmission pulley.

6. Place 34" belt over middle groove of engine pulley

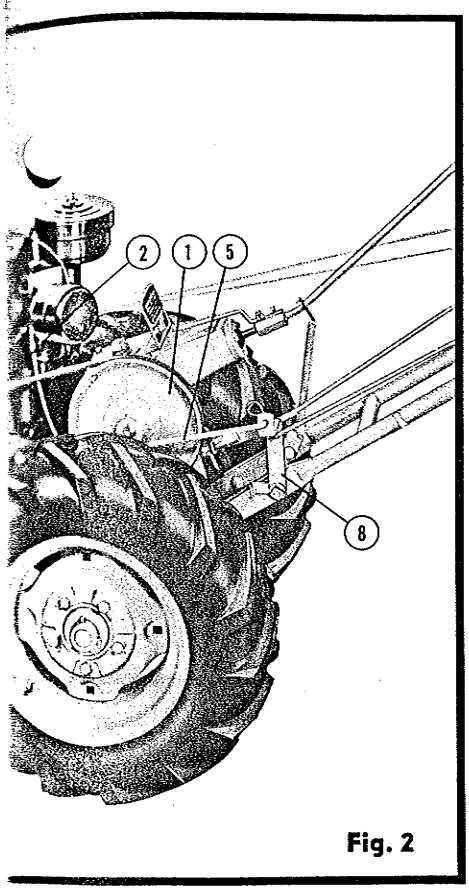


Fig. 2

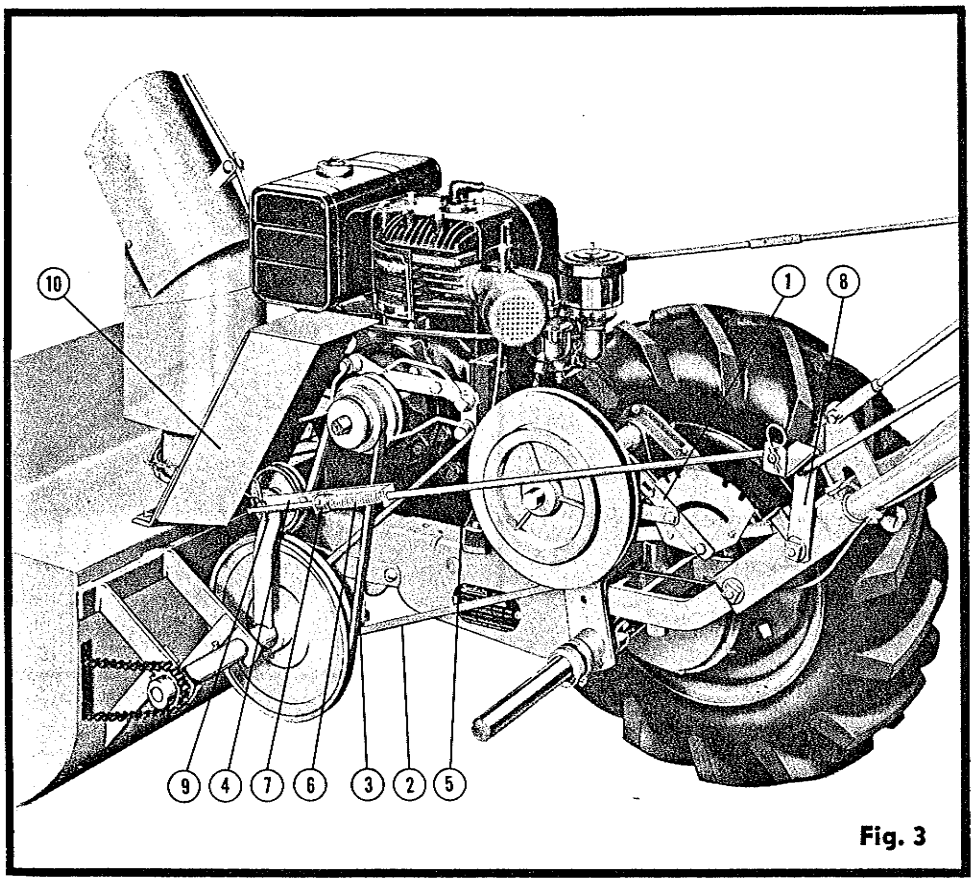


Fig. 3

and on snow plow drive sheave. Belt should run under idler pulley.

7. For further assembly refer to 5 HP tractor instructions, numbers 4 through 8, except number 7.

OPERATION

For the convenience of the operator the directional spout is controlled from the tractor handles. To change the direction of snow throwing pull back on either of the balls on the spout cord.

The angle for throwing the snow can be adjusted by changing the pitch of the spout extension assembly (A, Fig. 2).

To change angle loosen wing nut on spout extension adjusting rod, set extension to desired angle, and re-tighten nut.

Rotary snow plow shoes (B, Fig. 2) are located at either side of plow body. To adjust for height or compensate for uneven surfaces loosen bolts, set to desired height, and retighten bolts.

Should the rotary snow plow become overloaded and engine speed decrease stop the forward motion of the tractor until the rotor clears itself.

LUBRICATION

Lubricate the two grease fittings on plow each time plow is used. Occasionally grease the rim of the snow plow spout so that it turns freely.

ROTOR CHAIN ADJUSTMENT

To tighten rotor chain, loosen nuts (8-9, Fig. 1) on both sides of body sufficiently to make adjustment. Loosen hex nut on chain tightener at (10, Fig. 1) on both sides of body. Move chain tighteners in direction to tighten chain. First, adjust chain tightener at chain side, then tighten hex nut on chain tightener at chain side. Then adjust chain tightener on other side of snow plow body, making sure rotor is parallel to back of snow plow body and chain is straight on both sprockets. Tighten hex nut on chain tightener. Follow by tightening nuts at (9) and (8) securely. Do not apply excessive tension on chain.

SPECIAL BELT STOP ADJUSTMENT

Before starting rotary snow plow be sure that all belt stops are within 1/8" of the belts. There are three belt stops around the tractor engine pulley. When snow plow is used with 3 HP tractor there are two additional belt stops around small snow plow pulley. These adjustments are important for proper idling.

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The Authorized Simplicity dealer from whom you purchased your tractor and attachments can supply you with any replacement parts you may need. For prompt service, be sure to see your dealer first. He will furnish the correct parts from his stock or order them for you if necessary. However, you may mail-order directly from the factory.

To have your order filled correctly and for prompt service, please furnish the following information:

1. Model, number and year of purchase of tractor or attachment.

2. Part number, description, and quantity of part. (See parts list)

Be sure to include postage with your order. We do not pay transportation charges. Shipping weights are shown. Any excess will be promptly refunded.

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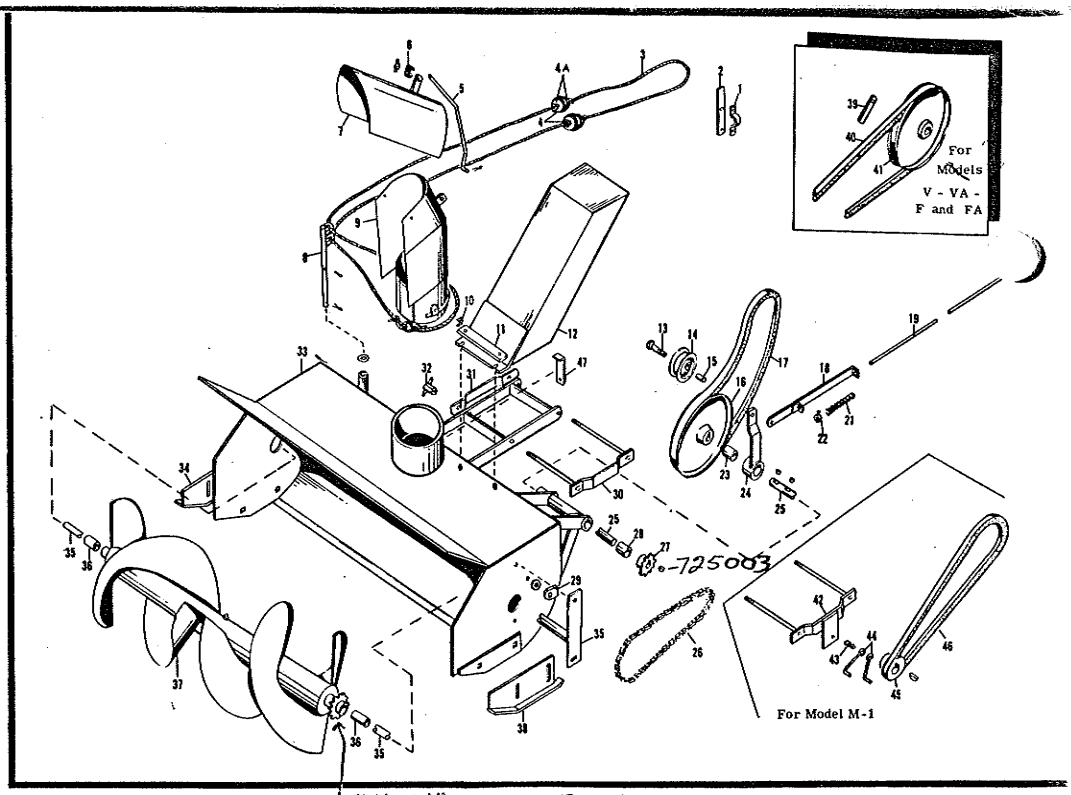
PRICES SHOWN ARE U.S.A. PRICES. PRICES OUTSIDE OF U.S.A. SUBJECT TO LOCAL IMPORT DUTIES, TAXES, ETC.

26" ROTARY SNO-PLOW —
for Models — VA, M-1 and FA
TRACTORS — as noted:



Order by Part Number

808 1013 SPROCKET ONLY

Item No.	MODEL VA Part No.	MODEL M-1 Part No.	MODEL FA Part No.	DESCRIPTION	SHIP. WT. Lbs.	SHIP. WT. Ozs.	Price Each
1	~~GS-A36~~ 808 1036	~~GS-A36~~ 808 1036	~~GS-A36~~ 808 1036	Strap, Handle		3	$ .30
2	106024	106024	106024	Strap, Cord		6	.30
3	106025	106025	106025	Cord, Spout		8	.90
4	~~F-A44~~ 805 1044	~~F-A44~~ 805 1044	~~F-A44~~ 805 1044	Ball		10	.15
4A	106027	106027	106027	Washer		2	.05
5	106020	106020	106020	Rod, Spout Ext. Adj.		10	.30
6	~~S1-A182~~ 816 1182	~~S1-A182~~ 816 1182	~~S1-A182~~ 816 1182	Clamp, Spout Rod		3	.20
7	~~GS-BX6~~ 808 2506	~~GS-BX6~~ 808 2506	~~GS-BX6~~ 808 2506	Extension, Spout Assy.	3	3	2.90
8	106021	106021	106021	Rod Assembly, Cord	1	4	1.40
9	106002	106002	106002	Spout Assembly	7	10	7.45
10	~~S7-A71~~ 825 1071	~~S7-A71~~ 825 1071	~~S7-A71~~ 825 1071	Clamp, Spout Cord		1	.20
11	~~GS-A45~~ 808 1045	~~GS-A45~~ 808 1045	~~GS-A45~~ 808 1045	Clamp, Belt Guard		4	.20
12	~~GS-CX5~~ 808 3505	~~GS-CX5~~ 808 3505	~~GS-CX5~~ 808 3505	Guard, Belt Assy.	4	12	2.98
13	~~GS-A43~~ 808 1043	~~GS-A43~~ 808 1043	~~GS-A43~~ 808 1043	Bolt, Idler Pulley		4	.30
14	~~F-AX5~~ 806 1505	~~F-AX5~~ 806 1505	F-AX5 806 1505	Pulley, Idler Assy.		12	1.00
15	~~S1L-A73~~ 817 1073	~~S1L-A73~~ 817 1073	~~S1L-A73~~ 817 1073	Race, Inner Bearing		4	.40
16	GS-A21 808 1021	GS-A21 808 1021	———	Sheave, Drive	2	8	4.95
16	———	———	P-A13 811 1013	Sheave, Drive	2	8	2.45
17	~~S1-A83~~ 816 1083	~~S1-A83~~ 816 1083	———	V-Belt	1	8	1.68
17	———	———	~~SS-A101~~ 118 68	V-Belt	1	8	1.26
18	~~GS-AX3~~ 808 1503	~~GS-AX3~~ 808 1503	~~GS-AX3~~ 808 1503	Guide, Idler Clutch Rod Assy.		14	.40
19	~~GS-A32~~ 808 1032	~~GS-A32~~ 808 1032	~~GS-A32~~ 808 1032	Rod, Idler Clutch		13	.45
20	~~S1-A45A~~ 816 1045	~~S1-A45A~~ 816 1045	~~S1-A45A~~ 816 1045	Clip, Spring		2	.20
21	~~S2-A45~~ 819 1045	~~S2-A45~~ 819 1045	~~S2-A45~~ 819 1045	Spring		3	.20
22	~~S2-A22A~~ 819 1022	~~S2-A22A~~ 819 1022	~~S2-A22A~~ 819 1022	Collar, Set		3	.50
23	~~SS-A52~~ 826 1052	~~SS-A52~~ 826 1052	~~SS-A52~~ 826 1052	Bearing, Bearing Housing		3	.55
24	106015	106015	106015	Lever, Idler Assy.	1	8	1.95
25	~~GS-A20~~ 808 1020	~~GS-A20~~ 808 1020	~~GS-A20~~ 808 1020	Shaft, Drive	1	8	1.20
26	~~GS-A24~~ 808 1024	~~GS-A24~~ 808 1024	~~GS-A24~~ 808 1024	Chain, Rotor		14	3.40
27	P-A2A 811 1002	P-A2A 811 1002	P-A2A 811 1002	Sprocket	2		1.90
28	~~SS-A52~~ 826 1052	~~SS-A52~~ 826 1052	~~SS-A52~~ 826 1052	Bearing, Bearing Housing		3	.55
29	106006	106006	106006	Tightener, Chain		6	.20
30	~~S1-BX1~~ 816 2501	~~S1-BX1~~ 816 2501	~~S1-BX1~~ 816 2501	Clamp, Hitch Assy.	1		1.00
31	103001	103001	103001	Plate, Hitch Side		12	.15
32	~~S1-A41A~~ 816 1041	~~S1-A41A~~ 816 1041	~~S1-A41A~~ 816 1041	Nut		8	.50
33	106008	106008	106008	Body and Push Arm Assy.	68		43.60
34	106013	106013	106013	Shoe Assy, R.H.	4		1.95
35	~~GS-AX1~~ 808 1501	~~GS-AX1~~ 808 1501	~~GS-AX1~~ 808 1501	Shaft, Rotor Assy.	5		3.50
36	~~S2-A44B~~ 819 1044	~~S2-A44B~~ 819 1044	~~S2-A44B~~ 819 1044	Bearing, Rotor		4	.40
37	GS-CX4 808 3504	GS-CX4 808 3504	GS-CX4 808 3504	Rotor Assembly	35		47.50
38	106012	106012	106012	Shoe Assembly, L.H.	4		1.95
39	~~GS-A52~~ 808 1052	not used	not used	Stop, Transmission Idler Lever		3	.20
40	~~GS-A53~~ 808 1053	———	———	~~46"~~ V-Belt	1	8	1.79
40	———	not used	106016	46" V-Belt	1	8	1.77
41	S1-A86 816 1086	———	106019	Sheave	4		2.55
42	not used	~~GS-BX2~~ 808 2502	not used	Clamp, Hitch Assy.	1	4	1.02
43	not used	~~S2-A47~~ 819 1047	not used	Spring		2	.20
44	not used	GS-A35 808 1035	not used	Belt Stop		3	.12
45	not used	PR-A24 813 1024	not used	Pulley	2	12	1.10
46	not used	GS-A51 808 1051	not used	V-Belt	1	8	1.88
47	106010	106010	106010	Hold Down, Spout Sleeve		4	.35